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WHAT IS CLAIMED IS:

- 1. A protein, comprising an amino acid sequence of SEQ.

 ID. No. 1, which has the activity of hydrolyzing dextran, starch, mutan, inulin and levan, a derivative thereof, or a fragment thereof.
- A gene of SEQ. ID. No. 2, encoding the protein, the derivative, or the fragment of claim 1, a derivative thereof,
 or a fragment thereof.
 - 3. A transformed cell, expressing the gene, the derivative, or the fragment of claim 2.
- 15 4. The transformed cell as defined in claim 3, wherein the cell is prokaryotic or eukaryotic.
- 5. The transformed cell as defined in claim 3 or 4, wherein the cell is *E. coli* Bl21(DE3)pLysS deposited on Dec. 20 24, 2003, with the accession number KCTC10574BP.
 - 6. A method of producing an enzyme having activity of hydrolyzing dextran, starch, mutan, inulin and levan, comprising:
- culturing the cell of claim 3;
 expressing the enzyme in the cultured cell; and
 purifying the expressed enzyme.

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- 7. An enzyme, produced by the method of claim 6.
- 8. A composition, comprising the enzyme of claim 7.
- 9. The composition as defined in claim 8, wherein the composition is used for dextran removal during sugar production.
- 10. The composition as defined in claim 8, wherein the composition is used for plaque elimination or as a mouthwash.